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☐	L23	L22 and ((driver adj1 (package or software or code or instruction or algorithm)) with ((image$ or picture$ or photo$) adj1 (file$ or folder$)))	0
☐	L22	L21 and (install$ with (driver adj1 (package or software or code or instruction or algorithm)))	13
☐	L21	(717/174).ccls.	668
☐	L20	L19 and ((driver adj1 (package or software or code or instruction or algorithm)) with ((image$ or picture$ or photo$) adj1 (file$ or folder$)))	3
☐	L19	(install$ with (driver adj1 (package or software or code or instruction or algorithm)))	973
☐	L18	(L15 or L16 or L17) and ((driver adj1 (software or instruction$ or code or algorithm$ or package)) with (driver adj1 (file$ or folder$)) with ((image or photo or photos or picture or pictures or images) adj1 (file$ or folder$)))	0
☐	L17	(707/104.1).ccls.	5824
☐	L16	(707/100).ccls.	5011
☐	L15	(707/1).ccls.	5517
☐	L14	((driver adj1 (software or instruction$ or code or algorithm$ or package)) with (driver adj1 (file$ or folder$)) with ((image or photo or photos or picture or pictures or images) adj1 (file$ or folder$)))	0
☐	L13	((driver adj1 (software or instruction$ or code or algorithm$ or package)) with (driver adj1 (file$ or folder)))	10
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☐	L12	L11 and (image near (folder or folders or file or files))	3
☐	L11	L8 and ((load$ or install$) near (driver or drivers or folder or folders or file or files))	36

16\791,586

☐	L10	L3 and (wave$ or signal$)	1
☐	L9	L8 and (image near (folder or folders or file or files))	4
☐	L8	(L5 or L6) and (((driver or drivers) near (application or applications or code or codes or program or programs or software or instruction or instructions)) with (driver near (file or files or folder or folders)))	42
☐	L7	(L5 or L6) and ((driver or drivers) near (application or applications or code or codes or program or programs or software or instruction or instructions))	3563
☐	L6	(driver or drivers).ab.	45754
☐	L5	(driver or drivers).ti.	12145

DB=PGPB; PLUR=NO; OP=OR

☐	L4	L3 and (image near (folder or folders or file or files))	0
☐	L3	20040215754.pn.	1
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1 Status report of the graphic standards planning committee of ACM/SIGGRAPH: ■
◈ State-of-the-art of graphic software packages
Compuater Graphics staff
September 1977 **ACM SIGGRAPH Computer Graphics**, Volume 11 Issue 3
Publisher: ACM Press
Full text available: 📄 pdf(9.03 MB)   Additional Information: full citation, references

2 Status report of the graphic standards planning committee   ■
◈ Computer Graphics staff
August 1979 **ACM SIGGRAPH Computer Graphics**, Volume 13 Issue 3
Publisher: ACM Press
Full text available: 📄 pdf(15.01 MB)   Additional Information: full citation, references, citings

3 Information protection methods: Display-only file server: a solution against   ■
◈ information theft due to insider attack
Yang Yu, Tzi-cker Chiueh
October 2004 **Proceedings of the 4th ACM workshop on Digital rights management DRM '04**
Publisher: ACM Press
Full text available: 📄 pdf(311.80 KB)   Additional Information: full citation, abstract, references, index terms

Insider attack is one of the most serious cybersecurity threats to corporate America. Among all insider threats, information theft is considered the most damaging in terms of potential financial loss. Moreover, it is also especially difficult to detect and prevent, because in many cases the attacker has the proper authority to access the stolen information. According to the 2003 CSI/FBI Computer Crime and Security Survey, theft of proprietary information was the single largest category of los ...

Keywords: access, digital rights management, information theft, insider attack

4 File system usage in Windows NT 4.0   ■
Werner Vogels

December 1999 **ACM SIGOPS Operating Systems Review , Proceedings of the seventeenth ACM symposium on Operating systems principles SOSP '99**, Volume 33 Issue 5

Publisher: ACM Press

Full text available: pdf(1.75 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

We have performed a study of the usage of the Windows NT File System through long-term kernel tracing. Our goal was to provide a new data point with respect to the 1985 and 1991 trace-based File System studies, to investigate the usage details of the Windows NT file system architecture, and to study the overall statistical behavior of the usage data.In this paper we report on these issues through a detailed comparison with the older traces, through details on the operational characteristics and ...

5 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research CASCON '97**

Publisher: IBM Press

Full text available: pdf(4.21 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

6 A framework for the assessment of operating systems for small computers

Hossein Saiedian, Munib Siddiqi

April 1996 **ACM SIGICE Bulletin**, Volume 21 Issue 4

Publisher: ACM Press

Full text available: pdf(1.89 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

A number of high performance operating systems are now available for small computers on different hardware platforms. These operating systems offer many advanced features formerly reserved for their workstation and minicomputer counterparts. This article surveys the most widely used of such operating systems, namely OS/2, Windows NT, Linux and Macintosh System 7.5. It provides an account on the history, design objectives and evolution of these operating systems and discusses their key features, ...

Keywords: CP/M, DOS, Linux, Macintosh, Microcomputers, OS/2, Operating Systems, Small Computer Systems, Windows, Windows NT

7 Extensibility safety and performance in the SPIN operating system

B. N. Bershad, S. Savage, P. Pardyak, E. G. Sirer, M. E. Fiuczynski, D. Becker, C. Chambers, S. Eggers

December 1995 **ACM SIGOPS Operating Systems Review , Proceedings of the fifteenth ACM symposium on Operating systems principles SOSP '95**, Volume 29 Issue 5

Publisher: ACM Press

Full text available: pdf(2.32 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

8

A structural view of the Cedar programming environment

Daniel C. Swinehart, Polle T. Zellweger, Richard J. Beach, Robert B. Hagmann
August 1986 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,
Volume 8 Issue 4
Publisher: ACM Press

Full text available: pdf(6.32 MB) · Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

This paper presents an overview of the Cedar programming environment, focusing on its overall structure—that is, the major components of Cedar and the way they are organized. Cedar supports the development of programs written in a single programming language, also called Cedar. Its primary purpose is to increase the productivity of programmers whose activities include experimental programming and the development of prototype software systems for a high-performance personal computer. T ...

9 <u>Installation and configuration of FreeBSD</u>
Sean Eric Fagan
January 1999 **Linux Journal**

Publisher: Specialized Systems Consultants, Inc.

Full text available: html(22.29 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Here's how to set up a web server using another freely available operating system, FreeBSD, a high performance, mature, UNIX-like system

10 <u>IS '97: model curriculum and guidelines for undergraduate degree programs in information systems</u>
Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E. Longenecker
December 1996 **ACM SIGMIS Database , Guidelines for undergraduate degree programs on Model curriculum and guidelines for undergraduate degree programs in information systems IS '97**, Volume 28 Issue 1
Publisher: ACM Press

Full text available: pdf(7.24 MB)   Additional Information: <u>full citation</u>, <u>citings</u>

11 <u>The Flux OSKit: a substrate for kernel and language research</u>
Bryan Ford, Godmar Back, Greg Benson, Jay Lepreau, Albert Lin, Olin Shivers
October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles SOSP '97**, Volume 31 Issue 5
Publisher: ACM Press

Full text available: pdf(2.47 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

12 <u>Kernel Korner: Linux Kernel Installation</u>
David A. Bandel
November 1997 **Linux Journal**

Publisher: Specialized Systems Consultants, Inc.

Full text available: html(29.69 KB)   Additional Information: <u>full citation</u>, <u>index terms</u>

13 <u>Because we have better things to do: automating common support tasks</u>
Keith B. Erekson, Stephen G. Lewis
November 2006 **Proceedings of the 34th annual ACM SIGUCCS conference on User services SIGUCCS '06**

Publisher: ACM Press

Full text available: pdf(368.87 KB)   Additional Information: full citation, abstract, references, index terms

As technology permeates more aspects of our everyday lives, greater demands are placed on information technology personnel. Lehigh University computing consultants have found their scope of responsibility broadening as campus departments turn to computer-based workflow solutions. In previous years, consultants were tasked with setup, training, and support for PCs and their associated applications. More recently, however, consultants have been asked to lend their expertise to the evaluation, desi ...

Keywords: active directory, automation, ghost, imaging, scripts, utilities, web-based, windows XP, windows server 2003

14 The SANE Scanner Interface

David Mosberger
March 1998 **Linux Journal**

Publisher: Specialized Systems Consultants, Inc.

Full text available: html(21.23 KB)   Additional Information: full citation, abstract, references, index terms

SANE makes it easy to support a wide variety of devices and of applications with a minimum amount of programming effort

15 Algorithm 755: ADOL-C: a package for the automatic differentiation of algorithms written in C/C++

Andreas Griewank, David Juedes, Jean Utke
June 1996 **ACM Transactions on Mathematical Software (TOMS)**, Volume 22 Issue 2

Publisher: ACM Press

Full text available: pdf(494.33 KB)   Additional Information: full citation, abstract, references, citings, index terms

The C++ package ADOL-C described here facilitates the evaluation of first and higher derivatives of vector functions that are defined by computer programs written in C or C++. The resulting derivative evaluation routines may be called from C/C++, Fortran, or any other language that can be linked with C. The numerical values of derivative vectors are obtained free of truncation errors at a small multiple of the run-time and randomly accessed memory of the given function evaluation program. D ...

Keywords: Hessians, Taylor coefficients, automatic differentiation, chain rule, forward mode, gradients, overloading, reverse mode

16 Improving the browsing experience: WebPod: persistent Web browsing sessions with pocketable storage devices

Shaya Potter, Jason Nieh
May 2005 **Proceedings of the 14th international conference on World Wide Web WWW '05**

Publisher: ACM Press

Full text available: pdf(166.59 KB)   Additional Information: full citation, abstract, references, index terms

We present WebPod, a portable system that enables mobile users to use the same persistent, personalized web browsing session on any Internet-enabled device. No matter what computer is being used, WebPod provides a consistent browsing session, maintaining all of a user's plugins, bookmarks, browser web content, open browser windows, and browser configuration options and preferences. This is achieved by leveraging rapid improvements in capacity, cost, and size of portable storage devices. WebPod p ...

Keywords: checkpoint/restart, portable storage, process migration, virtualization, web browsing

17 <u>Macintosh OS X: a smooth migration</u>
Scott E. Hanselman, Mahmoud Pegah
September 2003 **Proceedings of the 31st annual ACM SIGUCCS conference on User services SIGUCCS '03**
Publisher: ACM Press
Full text available: pdf(208.81 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

The Ringling School of Art and Design is a fully accredited four year college of visual art and design with a student population of approximately 1000. The Ringling School has achieved national recognition for its large-scale integration of technology into collegiate visual art and design education and maintains a student to computer ratio of better than two to one. Due to the demand for computing power and the requirement for ease of use, we moved our instructional computer laboratories to the ...

Keywords: Macintosh OS X, NFS, NIS, SSH, fonts, migration, network

18 <u>A workstation model for an interactive graphics system</u>
Mike Heck, Martin Plaehn
January 1986 **Communications of the ACM**, Volume 29 Issue 1
Publisher: ACM Press
Full text available: pdf(857.76 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>, <u>review</u>

By introducing the concept of an abstract graphics device called the workstation, an existing graphics system is generalized to support multiple devices in applications software.

19 <u>Proceedings of the SIGNUM conference on the programming environment for development of numerical software</u>
March 1979 **ACM SIGNUM Newsletter**, Volume 14 Issue 1
Publisher: ACM Press
Full text available: pdf(5.02 MB)   Additional Information: <u>full citation</u>

20 <u>How to port Linux when the hardware turns soft</u>
David Lynch
January 2007 **Linux Journal**, Volume 2007 Issue 153
Publisher: Specialized Systems Consultants, Inc.
Full text available: .html(287.14 KB) Additional Information: <u>full citation</u>, <u>abstract</u>

Soul of the Pico machines

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3	INZZ	install$ NEAR (software OR code)	unrestricted	1133	show titles
4	INZZ	3 AND driver$	unrestricted	12	show titles
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1 Re-imaging computers for multipurpose labs.
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4 Server-based maintenance approach for computer classroom workstations.

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☑ **document 1 of 4** Order Document

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Accession number & update
> 0008759930 20070101.

Title
> Re-imaging computers for multipurpose labs.

Source
> Computers in Education Journal, {Comput-Educ-J-USA}, July-Sept. 2005, vol. 15, no. 3, p. 34-40, 3
> refs, CODEN: CEJOE7, ISSN: 1069-3769.
> Publisher: Northeast Consortium Eng. Educ. for Comput. Educ. Div. ASEE, USA.

Author(s)
> Higby-C-F, Blackham-N, Rogers-B, Bailey-M-G.

Author affiliation
> Higby, C.F., Blackham, N., Rogers, B., Bailey, M.G., Brigham Young Univ., Provo, UT, USA.

Abstract

> In lab environments, where multiple computers are used, a method called imaging can be used to
> handle the challenge of **installing** and configuring multiple machines. Imaging is a method that uses a
> client server relationship that allows the client to download and **install** the necessary **software,** virus
> updates, and security patches by selecting an **image file** that resides on a server. Several **software**
> components and services are necessary to successfully **image** a client. First, a DHCP server provides a
> connection between the client and the **image** server by assigning a dynamic IP address to each
> computer. In addition to a unique IP address, each client is required to have a unique hostname. This
> hostname is incorporated into the **image** for each client using a security identifier generator also
> known as a SID generator. Finally, the operating system **software,** application **software,** and data
> **files** are downloaded to the clients by using imaging **software** such as Altiris and Norton's Ghost. The
> ability to create and deploy multiple **images** in a reasonable time span eliminates the headaches and
> lost time network administrators would otherwise experience doing repetitive **software** changes to
> many machines. This technique also provides for better lab utilization, reducing lab downtime for
> **software** maintenance. Other advantages of imaging include facilitating using the lab for multiple

classes, research projects, and individual testing, since an entire lab's computers can be **imaged** within thirty minutes. Some applications require the use of multiple operating systems such as both Windows and Linux. By creating an **image** that dual boots operating systems computer equipment is fully utilized. This paper shows the advantages of using imaging **software** to create and deploy **images** to large quantities of computers in a lab environment. A network is created with required machines, including a DHCP server, SID generator, an imaging server, and clients. Several **images** are created with different configurations, including dual booting operating systems. These **images** are used for class-oriented lab configurations and for various configurations required for research projects that use the same machines.

Descriptors
　　CLIENT-SERVER-SYSTEMS; COMPUTER-NETWORKS; LABORATORIES; OPERATING-SYSTEMS-COMPUTERS; SECURITY-OF-DATA.

Classification codes
　　C5620 Computer-networks-and-techniques*;
　　C6150N Distributed-systems-software;
　　C6130S Data-security;
　　C6150J Operating-systems.

Keywords
　　reimaging-computers; multipurpose-labs; multiple-computers; client-server-relationship; IP-address; hostname; security-identifier-generator; **imaging-software.**

Treatment codes
　　P Practical.

Language
　　English.

Publication type
　　Journal-paper.

Availability
　　SICI: 1069-3769(200507/09)15:3L.34:ICML; 1-D.

Publication year
　　2005.

Publication date
　　20050700.

Edition
　　2006006.

Copyright statement
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☑ **document 2 of 4** Order Document

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Accession number & update
　　0008319377 20070101.

Title
　　Archiving and distribution of 2-D geophysical data using **image** formats with lossless compression.

Source
　　IEEE Geoscience and Remote Sensing Letters, {IEEE-Geosci-Remote-Sens-Lett-USA}, Jan. 2005, vol. 2, no. 1, p. 64-8, 20 refs, CODEN: IGRSBY, ISSN: 1545-598X.
　　Publisher: IEEE, USA.

Author(s)
　　Chen-F-W.

Author affiliation

Chen, F.W., Lincoln Lab., Massachusetts Inst. of Technol., Lexington, MA, USA.

Abstract

Certain types of two-dimensional (2-D) numerical remote sensing data can be losslessly and compactly compressed for archiving and distribution using standardized **image** formats. One common method for archiving and distributing data involves compressing data **files** using **file** compression utilities such as gzip and bzip2, which are widely available on UNIX and Linux operating systems. GZIP-compressed **files** and bzip2-compressed **files** must first be uncompressed before they can be read by a scientific application (e.g., MATLAB, IDL). Data stored using an **image** format, on the other hand, can be read directly by a scientific application supporting that format and, therefore, can be stored in compressed form, saving disk space. Moreover, wide use of **image** formats by data providers and wide support by scientific applications can reduce the need for providers of geophysical data to develop and maintain **software** customized for each type of dataset and reduce the need for users to develop and maintain or download and **install** such **software**. This letter demonstrates the utility of standardized **image** formats for losslessly compressing, archiving, and distributing 2-D geophysical data by comparing them with the traditional **file** compression utilities gzip and bzip2 on several types of remote sensing data. The formats studied include TIFF, PNG, lossless JPEG, JPEG-LS, and JPEG2000. PNG and TIFF are widely supported. JPEG2000 and JPEG-LS could become widely supported in the future. It is demonstrated that when the appropriate **image** format is selected, the compression ratios can be comparable to or better than those resulting from the use of **file** compression utilities. In particular, PNG, JPEG-LS, and JPEG2000 show promise for the types of data studied.

Descriptors

ATMOSPHERIC-TECHNIQUES; COMPUTER-GRAPHICS; DATA-COMPRESSION; GEOPHYSICAL-SIGNAL-PROCESSING; IMAGE-CODING; OCEAN-TEMPERATURE; OCEANOGRAPHIC-TECHNIQUES; RAIN; REMOTE-SENSING.

Classification codes

A9365 Data-and-information-acquisition-processing-storage-and-dissemination-in-geophysics*;
A9385 Instrumentation-and-techniques-for-geophysical-hydrospheric-and-lower-atmosphere-research;
A9210M Thermohaline-structure-and-circulation-of-the-oceans;
A9260J Water-in-the-atmosphere-humidity-clouds-evaporation-precipitation;
B7710D Oceanographic-and-hydrological-techniques-and-equipment*;
B7710B Atmospheric-ionospheric-and-magnetospheric-techniques-and-equipment;
B6135C Image-and-video-coding;
C7340 Geophysics-computing*;
C5260B Computer-vision-and-image-processing-techniques;
C6130B Graphics-techniques.

Keywords

2-D-geophysical-distribution-data; data-compression; **lossless-image-** compression; two-dimensional-numerical-remote-sensing-data; **standardized-image-formats;** data-archiving; **file-compression;** Linux- operating-system; UNIX-operating-system; **GZIP-compressed-files;** bzip2-**compressed-files; tagged-image-file-format;** TIFF; portable-network- graphics; PNG; lossless-JPEG; JPEG-LS; JPEG2000; rainfall-rate; sea-surface-temperature.

Treatment codes

P Practical;
T Theoretical-or-mathematical.

Language

English.

Publication type

Journal-paper.

Availability

SICI: 1545-598X(200501)2:1L.64:ADGD; 1-N.
CCCC: 1545-598X/$20.00.

Digital object identifier

10.1109/LGRS.2004.841422.

Publication year

2005.

Publication date

20050100.

Edition

2005010.

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☑ **document 3 of 4** <u>Order Document</u>

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Accession number & update
>   0008220865 20070101.

Title
>   CDSS: secure distribution of **software installation** media **images** in a heterogeneous environment.

Conference information
>   LISA 17. Seventeenth Large **Installation** Systems Administration Conference, San Diego, CA, USA, 26-31 Oct. 2003.
>   Sponsor(s): USENIX; SAGE.

Source
>   LISA 17. Seventeenth Large **Installation** Systems Administration Conference, 2003, p. 173-9, 8 refs, pp. vii+256, ISBN: 1-931971-15-3.
>   Publisher: USENIX Assoc, Berkeley, CA, USA.

Author(s)
>   <u>Cabeen-T</u>, <u>Bogan-J</u>.

Author affiliation
>   Cabeen, T., Impulse Internet Services, Santa Barbara, CA, USA.

Abstract
>   CDSS is a framework for the distribution of **software installation** media **images** and their contents over multiple **file** sharing protocols. The CDSS system provides a unique isolated server instance for every accessing user, even when another instance of that server is already running. CDSS uses the Linux host-based firewall system to transparently redirect inbound connections from each user to his specific server instance. By doing so, multiple users can access the CDSS server over the same protocol on the standard port without requiring any special configuration by the user. Each user can only communicate with the server instance that was started explicitly for him and that has been automatically configured by CDSS to allow access only to the **files** that he has requested. CDSS is currently implemented as a collection of Web and shell scripts that run on Linux servers that support the IPTables and IPChains firewalling systems. CDSS currently supports **image** distribution via the following protocols: HTTP, FTP, TFTP, NFS, SMB, and AppleShare IP. CDSS can share any **filesystem image file** stored on the server as well as the individual contents of those **images** that the server can loopback-mount.

Descriptors
>   ▨ <u>AUTHORISATION</u>; ▨ <u>COMPUTER-INSTALLATION</u>; ▨ <u>CONFIGURATION-MANAGEMENT</u>;
>   ▨ <u>INTERNET</u>; ▨ <u>LINUX</u>; ▨ <u>OPERATING-SYSTEM-KERNELS</u>; ▨ <u>PEER-TO-PEER-COMPUTING</u>;
>   ▨ <u>TRANSPORT-PROTOCOLS</u>.

Classification codes
>   <u>C0310D</u> <u>Computer-installation-management</u>*;
>   <u>C0310F</u> <u>Software-development-management</u>;
>   <u>C6150N</u> <u>Distributed-systems-software</u>;
>   <u>C5640</u> <u>Protocols</u>.

Keywords
>   CDSS-secure-distribution-system; **software-installation-media-images;** heterogeneous-environment; **multiple-file-sharing-protocols;** isolated-server-instance; Linux-host-based-firewall-system; CDSS-server; configuration-management; shell-scripts; IPTables-firewalling-systems; IPChains-firewalling-systems; HTTP; FTP; TFTP; NFS; SMB; AppleShare-IP; **filesystem-image-file-sharing;** loopback-mount.

Treatment codes
>   <u>P</u> <u>Practical</u>.

Language
>   English.

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Title
　　Server-based maintenance approach for computer classroom workstations.

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Abstract
　　The paper presents a server based approach to maintaining **software** integrity for all computer classroom workstations. The approach has several advantages: (1) applicable to the FAT **(file allocation table)** and NTFS **file** systems; (2) renovating all workstations to workable state; (3) quickly adding or removing **software** systems to or from all workstations for teachers conducting new courses; and (4) automatically changing computer name and IP (Internet Protocol) address to an appointed one. The basic concept of the server based maintenance approach is to **install** whole **software** systems, including operating system and applications, on a normal workstation, to make one **image** copy of the workstation's hard disk and store it onto network server, and to restore the **image file** from the server to the remaining workstations. In order to change computer name and IP automatically, the paper presents a searching heuristic for finding their locations in the **image file**. The heuristic is modified from the Boyer-Moore (BM) algorithm (R.S. Boyer and J.S. Moore, 1977) and can improve the BM algorithm's performance by over 9%.

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